

Qualifications

Welcome to the 2025 Stack Overflow Developer Survey

This is the 15th Annual Stack Overflow Developer Survey, the longest-running and most comprehensive study of those who code. For a decade and a half, the insights gathered from your responses have profoundly shaped the global developer community's understanding of the technology landscape, influencing tools, careers, and the industry at large. This anonymous survey is designed to capture a snapshot of the developer experience in 2025.

By proceeding, you contribute to a [invaluable body of knowledge that is available](#) to developers worldwide. We've structured the survey to respect your time, taking approximately 15 - 18 minutes to complete. There are two screening questions to make sure you meet a few basic qualifications. Most questions are not required and we have done our best to keep required questions to a minimum. You can take as much time as you need, we encourage you to finish this survey in one sitting so that you get a chance to answer all questions. After 72 hours, your answers will be recorded if you do not get a chance to read

every question and have consented to share your answers. Any questions you have about the survey can be directed to our Meta community with [the survey-2025 tag](#).

These are the questions you will be answering are divided in 5 sets, the technology, community and AI questions are randomized:

- Learning and Career (23 questions)
- Tech and Tech Culture (20 questions)
- Community (10 questions)
- AI (20 questions)
- Final Thoughts (3 questions)

Important Note on Ad Blockers and Cloud Security tools: Ad blockers and cloud security tools can sometimes block essential scripts or elements needed for the survey to function correctly. To avoid any potential error messages, delays in the survey appearing or disruptions, please consider temporarily pausing your cloud security or ad-blocking plugin, or specifically unblocking Qualtrics while you take the survey.

To begin, click Next!

Are you someone who writes code? Please select one of the following options that best describes you today.

- ☐ I am a developer by profession
- ☐ I am not primarily a developer, but I write code sometimes as part of my work/studies
- ☐ I used to be a developer by profession, but no longer am
- ☐ I am learning to code
- ☐ I code primarily as a hobby
- ☐ I work with developers or my work supports developers but am not a developer by profession
- ☐ None of these

What is your age?

- ☐ Under 18 years old
- ☐ 18-24 years old
- ☐ 25-34 years old
- ☐ 35-44 years old
- ☐ 45-54 years old
- ☐ 55-64 years old
- ☐ 65 years or older
- ☐ Prefer not to say

You consent to providing your information to help us stay privacy compliant

Your participation in this survey is completely anonymous. As in previous years, anonymized results of the survey will be made publicly available under the Open Database License, where anyone can download and analyze the data. On that note, throughout the survey, certain answers you and your peers give will be treated as personally identifiable information, and therefore kept out of the anonymized results file. The information gathered via this survey is made available to the public in the spirit of community which Stack Overflow was founded and to serve as a resource for everyone who codes. More about the importance of privacy at Stack Overflow is available to [read on our website](#).

By selecting "I agree" and submitting this survey, you acknowledge that you voluntarily consent to your anonymous answers being made publicly available.

- ☐ I agree
- ☐ I do not agree (selecting this will end the survey)

Education + Career

Which of the following best describes the highest level of formal education that you've completed?

- ☐ Primary/elementary school
- ☐ Secondary school (e.g. American high school, German Realschule or Gymnasium, etc.)
- ☐ Some college/university study without earning a degree
- ☐ Associate degree (A.A., A.S., etc.)
- ☐ Bachelor's degree (B.A., B.S., B.Eng., etc.)
- ☐ Master's degree (M.A., M.S., M.Eng., MBA, etc.)
- ☐ Professional degree (JD, MD, Ph.D, Ed.D, etc.)
- ☐ Other (please specify):

Which of the following best describes your current employment status?

- ☐ Employed
- ☐ Independent contractor, freelancer, or self-employed
- ☐ Not employed
- ☐ Student
- ☐ Retired
- ☐ I prefer not to say

Which of the following **additional** activities are you currently engaged in?

- ☐ Attending school (full-time)
- ☐ Attending school (part-time)
- ☐ Engaged in paid work (less than 10 hours per week)
- ☐ Engaged in paid work (10–19 hours per week)
- ☐ Engaged in paid work (20–29 hours per week)
- ☐ Transitioning to retirement (gradually reducing work hours)
- ☐ Volunteering (regularly)
- ☐ Caring for dependents (children, elderly, etc.)
- ☐ None of the above

How many years of professional work experience do you have? Please round to the nearest whole number, excluding any decimal points. If your answer is '0', please leave blank.

Did you begin learning to code or learn a new coding skill/programming language in the last year?

- ☐ Yes, I am new to coding or currently a student

- ☐ Yes, I am **not new** to coding but am learning new coding techniques or programming language
- ☐ No, I am not new to coding and did not learn new coding techniques or programming languages

How did you learn to code in the past year? Select all that apply.

- ☐ Technical documentation (is generated for/by the tool or system)
- ☐ Games or coding challenges
- ☐ Colleague or on-the-job training
- ☐ Videos (not associated with specific online course or certification)
- ☐ Online Courses or Certification (includes all media types)
- ☐ Books / Physical media
- ☐ Stack Overflow or Stack Exchange
- ☐ AI CodeGen tools or AI-enabled apps
- ☐ Blogs or podcasts
- ☐ School (i.e., University, College, etc)
- ☐ Other online resources (e.g. standard search, forum, online community)
- ☐ Coding Bootcamp
- ☐ Other (please specify):

Did you spend time in the last year learning AI programming or AI-enabled tooling on your own or at

work?

- ☐ Yes, I learned how to use AI-enabled tools **required for my job or to benefit my career**
- ☐ Yes, I learned how to use AI-enabled tools for **my personal curiosity and/or hobbies**
- ☐ No, I learned something that was not related to AI or AI enablement as **required for my job or to benefit my career**
- ☐ No, I learned something that was not related to AI or AI enablement for **my personal curiosity and/or hobbies**
- ☐ No, I didn't spend time learning in the past year

How did you learn to code for AI in the past year? Select all that apply.

- ☐ Games or coding challenges
- ☐ Blogs or podcasts
- ☐ School (i.e., University, College, etc)
- ☐ Stack Overflow or Stack Exchange
- ☐ Coding Bootcamp
- ☐ Online Courses or Certification (includes all media types)
- ☐ Colleague or on-the-job training
- ☐ AI CodeGen tools or AI-enabled apps
- ☐ Books / Physical media
- ☐ Technical documentation (is generated for/by the tool or system)
- ☐ Videos (not associated with specific online course or certification)
- ☐ Other online resources (e.g. standard search, forum, online community)

☐

Other (please specify):

Including any education, how many years have you been coding in total? Please round to the nearest whole number, excluding any decimal points.

Which of the following describes your current job or the job you had for the most time in the past year?

- ☐ Academic researcher
- ☐ AI/ML engineer
- ☐ Applied scientist
- ☐ Architect, software or solutions
- ☐ Cloud infrastructure engineer
- ☐ Cybersecurity or InfoSec professional
- ☐ Data engineer
- ☐ Data or business analyst
- ☐ Data scientist
- ☐ Database administrator or engineer
- ☐ Developer, AI apps or physical AI
- ☐ Developer, back-end
- ☐ Developer, desktop or enterprise applications

- ☐ Developer, embedded applications or devices
- ☐ Developer, front-end
- ☐ Developer, full-stack
- ☐ Developer, game or graphics
- ☐ Developer, mobile
- ☐ Developer, QA or test
- ☐ DevOps engineer or professional
- ☐ Engineering manager
- ☐ Financial analyst or engineer
- ☐ Founder, technology or otherwise
- ☐ Product manager
- ☐ Project manager
- ☐ Retired
- ☐ Senior executive (C-suite, VP, etc.)
- ☐ Student
- ☐ Support engineer or analyst
- ☐ System administrator
- ☐ UX, Research Ops or UI design professional
- ☐ Other (please specify):

Approximately how many people are employed by your employer? This should only include your primary company, and if there was more than one employer please consider

the one you spent most of your time working for in the past year.

- ☐ Just me – I am a freelancer, sole proprietor, etc.
- ☐ Less than 20 employees
- ☐ 20 to 99 employees
- ☐ 100 to 499 employees
- ☐ 500 to 999 employees
- ☐ 1,000 to 4,999 employees
- ☐ 5,000 to 9,999 employees
- ☐ 10,000 or more employees
- ☐ I don't know

Are you an individual contributor or people manager?

- ☐ Individual contributor
- ☐ People manager

Which best describes your current work situation?

- ☐ Remote
- ☐ In-person
- ☐ Hybrid (some remote, leans heavy to in-person)
- ☐ Hybrid (some in-person, leans heavy to flexibility)
- ☐ Your choice (very flexible, you can come in when you want or just as needed)

Have you **influenced or endorsed** a new technology purchase at your organization or sole proprietor job in the past year?

- ☐ Yes, I influenced the purchase of a substantial addition to the tech stack
- ☐ Yes, I influenced the purchase of a tool that more than five colleagues use but it is not a substantial addition to the tech stack
- ☐ Yes, I endorsed a tool that was open-source and is currently used by more than just myself but no purchase was made
- ☐ Yes, I endorsed a tool that was ultimately not purchased or used at my organization
- ☐ No

When you're in a position to **influence or endorse a technology**, whether at work, for school, or for a personal project you're responsible for, what features or attributes matter most when deciding to support a tool? What factors would be deal-breakers?

First, select the context (work, school, personal project).
Then, rank the following features in order of importance.

- ☐ Work
- ☐ School

☐ Personal Project

What attracts you to a technology or causes you to endorse it (most to least important)?

Reliability and low latency

Good brand and public image

Costs are manageable

Easy-to-use API

Reputation for quality

Connected to an open-source project

AI integration or AI Agent capabilities

Robust and complete API

Customizable and manageable codebase

Other (please specify):

What would turn you off or cause you to reject it (most to least important)?

Poor usability

Availability of better alternatives

Outdated or obsolete technology or features

Inefficient or time-costly

Security or privacy concerns

Ethical concerns

Prohibitive pricing

Lack of or sub-par API

Lack of AI or AI agents

Other (please specify):

What industry do you work for in?

- ☐ Software Development
- ☐ Computer Systems Design and Services
- ☐ Internet, Telecomm or Information Services

- ☐ Fintech
- ☐ Energy
- ☐ Government
- ☐ Banking/Financial Services
- ☐ Manufacturing
- ☐ Transportation, or Supply Chain
- ☐ Healthcare
- ☐ Retail and Consumer Services
- ☐ Higher Education
- ☐ Media & Advertising Services
- ☐ Insurance
- ☐ Other:

How satisfied are you in your current professional developer role?

Not at all satisfied

Extremely satisfied

0 ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 ☐ 8 ☐ 9 ☐ 10 ☐

Rank the following attributes of your current professional job in technology according to those that contribute your job satisfaction so that the first is the most important, last is

least important (if you just started a new job, consider the job you spent the most time at in the past year):

You like your manager

Control over the level of quality in projects

Opportunities to mentor and lead junior-level coworkers

Collaboration and support from a team

Solving real-world problems

Innovation through solving challenging and complex problems

Competitive pay and benefits

Recognition from peers for your work

Developing specialized expertise

Expert mentors

Recognition from leadership for your work

Working with new technologies and tools

Autonomy and trust to manage your own tasks

Job stability and career growth with a single employer

Other (please specify):

Do you believe AI is a threat to your current job?

- ☐ Yes
- ☐ No
- ☐ I'm not sure

Have you considered a career change or transitioned into a new role in the past year?

- ☐ I have strongly considered changing my career and/or the industry I work in
- ☐ I have somewhat considered changing my career and/or the industry I work in
- ☐ I have transitioned into a new career and/or industry voluntarily
- ☐ I have transitioned into a new career and/or industry involuntarily
- ☐ I have neither consider or transitioned into a new career or industry

For your **primary work role** (student, developer, or technologist) over the past year:

Excluding general operating systems (like Windows or macOS) and web browsers, **how many distinct software applications or platforms** did you regularly use to create,

analyze, manage, or share information in order to do your job? Please enter a whole number below with no punctuation, or leave blank.

For your **side projects or other personal work** over the past year (focus on the project you spent the most time on if applicable):

Excluding general operating systems and web browsers, how many **distinct software applications or platforms** did you regularly use to do your job? Please enter a whole number below with no punctuation, or leave blank.

Compensation

Where do you live?

Which currency do you use day-to-day? If your answer is complicated, please pick the one you're most comfortable estimating in.

What is your current total **annual** compensation (salary, bonuses, and perks, before taxes and deductions) in terms of your day-to-day currency? Please enter a whole number in the box below, without any punctuation. If you are paid hourly, please estimate an equivalent yearly salary. If you prefer not to answer, please leave the box empty.

Tech and Tech Culture

Did you work with programming, scripting and markup languages in the last year or do you plan to in the year to come? Here, we are referring to anything you use that is conventionally referred to as code.

☐ Yes

- ☐ No
- ☐ I don't know

Which **programming, scripting, and markup languages** have you done extensive development work in over the past year, and which do you want to work in over the next year? (If you both worked with the language and want to continue to do so, please check both boxes in that row.)

	Worked with in past year	Want to work with next year
Ada	<input type="checkbox"/>	<input type="checkbox"/>
Assembly	<input type="checkbox"/>	<input type="checkbox"/>
Bash/Shell (all shells)	<input type="checkbox"/>	<input type="checkbox"/>
C	<input type="checkbox"/>	<input type="checkbox"/>
C#	<input type="checkbox"/>	<input type="checkbox"/>
C++	<input type="checkbox"/>	<input type="checkbox"/>
COBOL	<input type="checkbox"/>	<input type="checkbox"/>
Dart	<input type="checkbox"/>	<input type="checkbox"/>
Delphi	<input type="checkbox"/>	<input type="checkbox"/>
Elixir	<input type="checkbox"/>	<input type="checkbox"/>
Erlang	<input type="checkbox"/>	<input type="checkbox"/>
F#	<input type="checkbox"/>	<input type="checkbox"/>
Fortran	<input type="checkbox"/>	<input type="checkbox"/>

Worked with in past year**Want** to work with next year

GDScript	<input type="checkbox"/>	<input type="checkbox"/>
Go	<input type="checkbox"/>	<input type="checkbox"/>
Groovy	<input type="checkbox"/>	<input type="checkbox"/>
HTML/CSS	<input type="checkbox"/>	<input type="checkbox"/>
Java	<input type="checkbox"/>	<input type="checkbox"/>
JavaScript	<input type="checkbox"/>	<input type="checkbox"/>
Kotlin	<input type="checkbox"/>	<input type="checkbox"/>
Lisp	<input type="checkbox"/>	<input type="checkbox"/>
Lua	<input type="checkbox"/>	<input type="checkbox"/>
MATLAB	<input type="checkbox"/>	<input type="checkbox"/>
MicroPython	<input type="checkbox"/>	<input type="checkbox"/>
OCaml	<input type="checkbox"/>	<input type="checkbox"/>
Perl	<input type="checkbox"/>	<input type="checkbox"/>
PHP	<input type="checkbox"/>	<input type="checkbox"/>
PowerShell	<input type="checkbox"/>	<input type="checkbox"/>
Prolog	<input type="checkbox"/>	<input type="checkbox"/>
Python	<input type="checkbox"/>	<input type="checkbox"/>
R	<input type="checkbox"/>	<input type="checkbox"/>
Ruby	<input type="checkbox"/>	<input type="checkbox"/>
Rust	<input type="checkbox"/>	<input type="checkbox"/>
Scala	<input type="checkbox"/>	<input type="checkbox"/>
SQL	<input type="checkbox"/>	<input type="checkbox"/>

Worked with in past year**Want** to work with next year

Swift

☐☐

TypeScript

☐☐

VBA

☐☐

Visual Basic (.Net)

☐☐

Zig

☐☐

Mojo

☐☐

Gleam

☐☐

Was the programming language you use not listed above? List below, separated by a comma and a space for each, the programming language(s) **you used in the past year.**

Was the programming language you want to use not listed above? List below, separated by a comma and a space for each, the programming language(s) **you want to use next year.**

Did you work with database environments in the last year or do you plan to in the year to come? Here, we are referring to a system of managing structured data, mostly outside of your local machine.

- ☐ Yes
- ☐ No
- ☐ I don't know

Which **database environments** have you done extensive development work in over the past year, and which do you want to work in over the next year? (If you both worked with the database and want to continue to do so, please check both boxes in that row.)

	Worked with in past year	Want to work with next year
BigQuery	<input type="checkbox"/>	<input type="checkbox"/>
Cassandra	<input type="checkbox"/>	<input type="checkbox"/>
Cloud Firestore	<input type="checkbox"/>	<input type="checkbox"/>
Cosmos DB	<input type="checkbox"/>	<input type="checkbox"/>
Databricks SQL	<input type="checkbox"/>	<input type="checkbox"/>

Worked with in past year

Want to work with next year

Datomic	<input type="checkbox"/>	<input type="checkbox"/>
DuckDB	<input type="checkbox"/>	<input type="checkbox"/>
Dynamodb	<input type="checkbox"/>	<input type="checkbox"/>
Elasticsearch	<input type="checkbox"/>	<input type="checkbox"/>
Firebase Realtime Database	<input type="checkbox"/>	<input type="checkbox"/>
H2	<input type="checkbox"/>	<input type="checkbox"/>
IBM DB2	<input type="checkbox"/>	<input type="checkbox"/>
InfluxDB	<input type="checkbox"/>	<input type="checkbox"/>
MariaDB	<input type="checkbox"/>	<input type="checkbox"/>
Microsoft Access	<input type="checkbox"/>	<input type="checkbox"/>
Microsoft SQL Server	<input type="checkbox"/>	<input type="checkbox"/>
MongoDB	<input type="checkbox"/>	<input type="checkbox"/>
MySQL	<input type="checkbox"/>	<input type="checkbox"/>
Neo4J	<input type="checkbox"/>	<input type="checkbox"/>
Oracle	<input type="checkbox"/>	<input type="checkbox"/>
PostgreSQL	<input type="checkbox"/>	<input type="checkbox"/>
Redis	<input type="checkbox"/>	<input type="checkbox"/>
Snowflake	<input type="checkbox"/>	<input type="checkbox"/>
SQLite	<input type="checkbox"/>	<input type="checkbox"/>
Supabase	<input type="checkbox"/>	<input type="checkbox"/>
Clickhouse	<input type="checkbox"/>	<input type="checkbox"/>
Cockroachdb	<input type="checkbox"/>	<input type="checkbox"/>

Worked with in past year**Want** to work with next year

Amazon Redshift

☐☐

Pocketbase

☐☐

Valkey

☐☐

Was the database environment you use not listed above?
List below, separated by a comma and a space for each,
what **you used in the past year**.

Was the database environment you want to use not listed above? List below, separated by a comma and a space for each, what **you want to use next year**.

Did you work with cloud platforms, containerization/orchestration tools, package managers, build tools or infrastructure as code solutions in the last year or do you plan to in the year to come? Here, we are

referring to tooling that automates, manages, and scales the entire application lifecycle, often leveraging remote, virtualized resources.

- ☐ Yes
- ☐ No
- ☐ I don't know

Which **cloud platforms, containerization/orchestration tools, package managers, build tools, and infrastructure as code solutions** have you done extensive development work in over the past year, and which do you want to work in over the next year? (If you both worked with the platform and want to continue to do so, please check both boxes in that row.)

	Worked with in past year	Want to work with next year
Amazon Web Services (AWS)	<input type="checkbox"/>	<input type="checkbox"/>
Ansible	<input type="checkbox"/>	<input type="checkbox"/>
APT	<input type="checkbox"/>	<input type="checkbox"/>
Bun	<input type="checkbox"/>	<input type="checkbox"/>
Cargo	<input type="checkbox"/>	<input type="checkbox"/>
Chocolatey	<input type="checkbox"/>	<input type="checkbox"/>
Cloudflare	<input type="checkbox"/>	<input type="checkbox"/>

Worked with in past year**Want** to work with next year

Composer	<input type="checkbox"/>	<input type="checkbox"/>
Datadog	<input type="checkbox"/>	<input type="checkbox"/>
Digital Ocean	<input type="checkbox"/>	<input type="checkbox"/>
Docker	<input type="checkbox"/>	<input type="checkbox"/>
Firebase	<input type="checkbox"/>	<input type="checkbox"/>
Google Cloud	<input type="checkbox"/>	<input type="checkbox"/>
Gradle	<input type="checkbox"/>	<input type="checkbox"/>
Heroku	<input type="checkbox"/>	<input type="checkbox"/>
Homebrew	<input type="checkbox"/>	<input type="checkbox"/>
IBM Cloud	<input type="checkbox"/>	<input type="checkbox"/>
Kubernetes	<input type="checkbox"/>	<input type="checkbox"/>
Make	<input type="checkbox"/>	<input type="checkbox"/>
Maven (build tool)	<input type="checkbox"/>	<input type="checkbox"/>
Microsoft Azure	<input type="checkbox"/>	<input type="checkbox"/>
MSBuild	<input type="checkbox"/>	<input type="checkbox"/>
Netlify	<input type="checkbox"/>	<input type="checkbox"/>
New Relic	<input type="checkbox"/>	<input type="checkbox"/>
Ninja	<input type="checkbox"/>	<input type="checkbox"/>
npm	<input type="checkbox"/>	<input type="checkbox"/>
NuGet	<input type="checkbox"/>	<input type="checkbox"/>
Pacman	<input type="checkbox"/>	<input type="checkbox"/>
Pip	<input type="checkbox"/>	<input type="checkbox"/>

	Worked with in past year	Want to work with next year
pnpm	<input type="checkbox"/>	<input type="checkbox"/>
Podman	<input type="checkbox"/>	<input type="checkbox"/>
Poetry	<input type="checkbox"/>	<input type="checkbox"/>
Prometheus	<input type="checkbox"/>	<input type="checkbox"/>
Railway	<input type="checkbox"/>	<input type="checkbox"/>
Splunk	<input type="checkbox"/>	<input type="checkbox"/>
Supabase	<input type="checkbox"/>	<input type="checkbox"/>
Terraform	<input type="checkbox"/>	<input type="checkbox"/>
Vercel	<input type="checkbox"/>	<input type="checkbox"/>
Vite	<input type="checkbox"/>	<input type="checkbox"/>
Webpack	<input type="checkbox"/>	<input type="checkbox"/>
Yandex Cloud	<input type="checkbox"/>	<input type="checkbox"/>
Yarn	<input type="checkbox"/>	<input type="checkbox"/>

Was the cloud platforms, containerization/orchestration tools, package managers, build tools, and infrastructure as code solutions you use not listed above? List below, separated by a comma and a space for each, what **you used in the past year**.

Was the cloud platforms, containerization/orchestration tools, package managers, build tools, and infrastructure as code solutions you want to use not listed above? List below, separated by a comma and a space for each, what **you want to use next year**.

Did you work with web frameworks and web technologies in the last year or do you plan to in the year to come? Here, we are referring to technology that helps website and web apps materialize.

- ☐ Yes
- ☐ No
- ☐ I don't know

Which **web frameworks and web technologies** have you done extensive development work in over the past year, and which do you want to work in over the next year? (If

you both worked with the framework and want to continue to do so, please check both boxes in that row.)

	Worked with in past year	Want to work with next year
Angular	<input type="checkbox"/>	<input type="checkbox"/>
AngularJS	<input type="checkbox"/>	<input type="checkbox"/>
ASP.NET	<input type="checkbox"/>	<input type="checkbox"/>
ASP.NET Core	<input type="checkbox"/>	<input type="checkbox"/>
Astro	<input type="checkbox"/>	<input type="checkbox"/>
Blazor	<input type="checkbox"/>	<input type="checkbox"/>
Deno	<input type="checkbox"/>	<input type="checkbox"/>
Django	<input type="checkbox"/>	<input type="checkbox"/>
Drupal	<input type="checkbox"/>	<input type="checkbox"/>
Express	<input type="checkbox"/>	<input type="checkbox"/>
FastAPI	<input type="checkbox"/>	<input type="checkbox"/>
Fastify	<input type="checkbox"/>	<input type="checkbox"/>
Flask	<input type="checkbox"/>	<input type="checkbox"/>
jQuery	<input type="checkbox"/>	<input type="checkbox"/>
Laravel	<input type="checkbox"/>	<input type="checkbox"/>
NestJS	<input type="checkbox"/>	<input type="checkbox"/>
Next.js	<input type="checkbox"/>	<input type="checkbox"/>
Node.js	<input type="checkbox"/>	<input type="checkbox"/>
Nuxt.js	<input type="checkbox"/>	<input type="checkbox"/>
Phoenix	<input type="checkbox"/>	<input type="checkbox"/>

Worked with in past year**Want** to work with next year

React

☐☐

Ruby on Rails

☐☐

Spring Boot

☐☐

Svelte

☐☐

Symfony

☐☐

Vue.js

☐☐

WordPress

☐☐

Axum

☐☐

Were the web frameworks and web technologies you use not listed above? List below, separated by a comma and a space for each, what **you used in the past year**.

Were the web frameworks and web technologies you want to use not listed above? List below, separated by a comma and a space for each, the what **you want to use next year**.

Did you work with development environments or AI-enabled code editing tools in the last year or do you plan to in the year to come? Here, we are referring to programs like VS Code that allow you to write, edit and save code easily and help you share code with other developers or AI agents.

- ☐ Yes
- ☐ No
- ☐ I don't know

Which **development environments and AI-enabled code editing tools** did you use regularly over the past year, and which do you want to work with over the next year? Please check all that apply.

	Worked with in past year	Want to work with next year
Aider	<input type="checkbox"/>	<input type="checkbox"/>
Android Studio	<input type="checkbox"/>	<input type="checkbox"/>
Bolt	<input type="checkbox"/>	<input type="checkbox"/>
Claude Code	<input type="checkbox"/>	<input type="checkbox"/>
Cline and/or Roo	<input type="checkbox"/>	<input type="checkbox"/>

Worked with in past year**Want** to work with next year

Cursor	<input type="checkbox"/>	<input type="checkbox"/>
Eclipse	<input type="checkbox"/>	<input type="checkbox"/>
IntelliJ IDEA	<input type="checkbox"/>	<input type="checkbox"/>
Jupyter Notebook/JupyterLab	<input type="checkbox"/>	<input type="checkbox"/>
Lovable.dev	<input type="checkbox"/>	<input type="checkbox"/>
Nano	<input type="checkbox"/>	<input type="checkbox"/>
Neovim	<input type="checkbox"/>	<input type="checkbox"/>
Notepad++	<input type="checkbox"/>	<input type="checkbox"/>
PhpStorm	<input type="checkbox"/>	<input type="checkbox"/>
PyCharm	<input type="checkbox"/>	<input type="checkbox"/>
Rider	<input type="checkbox"/>	<input type="checkbox"/>
RustRover	<input type="checkbox"/>	<input type="checkbox"/>
Sublime Text	<input type="checkbox"/>	<input type="checkbox"/>
Trae	<input type="checkbox"/>	<input type="checkbox"/>
Vim	<input type="checkbox"/>	<input type="checkbox"/>
Visual Studio	<input type="checkbox"/>	<input type="checkbox"/>
Visual Studio Code	<input type="checkbox"/>	<input type="checkbox"/>
VSCodium	<input type="checkbox"/>	<input type="checkbox"/>
WebStorm	<input type="checkbox"/>	<input type="checkbox"/>
Windsurf	<input type="checkbox"/>	<input type="checkbox"/>
Xcode	<input type="checkbox"/>	<input type="checkbox"/>
Zed	<input type="checkbox"/>	<input type="checkbox"/>

Was the developer environment or AI-enabled code editing tool you use not listed above? List below, separated by a comma and a space for each, what **you used in the past year**.

Was the developer environment or AI-enabled code editing tool you want to use not listed above? List below, separated by a comma and a space for each, what **you want to use next year**.

Which rising technology of the added as **new tag or tag subject area on Stack Overflow** in the last three years **have you used** regularly in the past year, and which do you **want to work with** over the next year? Please check all that apply.

Worked with in past year

Want to work with next year

Amazon Bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Ollama	<input type="checkbox"/>	<input type="checkbox"/>
hostinger	<input type="checkbox"/>	<input type="checkbox"/>
Polars	<input type="checkbox"/>	<input type="checkbox"/>
c++23	<input type="checkbox"/>	<input type="checkbox"/>
uv	<input type="checkbox"/>	<input type="checkbox"/>
SwiftData	<input type="checkbox"/>	<input type="checkbox"/>
Odoo	<input type="checkbox"/>	<input type="checkbox"/>
Shadcn/ui	<input type="checkbox"/>	<input type="checkbox"/>
Delphi 12+ Athens	<input type="checkbox"/>	<input type="checkbox"/>
Large Language Model	<input type="checkbox"/>	<input type="checkbox"/>
Microsoft Fabric	<input type="checkbox"/>	<input type="checkbox"/>
Google Gemini	<input type="checkbox"/>	<input type="checkbox"/>
.NET 8 or higher	<input type="checkbox"/>	<input type="checkbox"/>
Pydantic	<input type="checkbox"/>	<input type="checkbox"/>
LangGraph	<input type="checkbox"/>	<input type="checkbox"/>
RAG	<input type="checkbox"/>	<input type="checkbox"/>
Ultralytics	<input type="checkbox"/>	<input type="checkbox"/>
Tailwind CSS 4	<input type="checkbox"/>	<input type="checkbox"/>
visionOS	<input type="checkbox"/>	<input type="checkbox"/>

Was the new tag on Stack Overflow (i.e. added in the last 2 – 3 years) you use not listed above? List below, separated by a comma and a space for each, what **you used in the past year**.

Was the new tag on Stack Overflow (i.e. added in the last 2 – 3 years) you want to use not listed above? List below, separated by a comma and a space for each, what **you want to use next year**.

What is the primary **operating system** in which you work?

	Personal use	Professional use
Windows	<input type="checkbox"/>	<input type="checkbox"/>
MacOS	<input type="checkbox"/>	<input type="checkbox"/>
Ubuntu	<input type="checkbox"/>	<input type="checkbox"/>
Android	<input type="checkbox"/>	<input type="checkbox"/>
Windows Subsystem for Linux (WSL)	<input type="checkbox"/>	<input type="checkbox"/>

	Personal use	Professional use
iOS	<input type="checkbox"/>	<input type="checkbox"/>
Debian	<input type="checkbox"/>	<input type="checkbox"/>
Linux (non-WSL)	<input type="checkbox"/>	<input type="checkbox"/>
Arch	<input type="checkbox"/>	<input type="checkbox"/>
iPadOS	<input type="checkbox"/>	<input type="checkbox"/>
Red Hat	<input type="checkbox"/>	<input type="checkbox"/>
Fedora	<input type="checkbox"/>	<input type="checkbox"/>
ChromeOS	<input type="checkbox"/>	<input type="checkbox"/>
Pop!_OS	<input type="checkbox"/>	<input type="checkbox"/>
NixOS	<input type="checkbox"/>	<input type="checkbox"/>

Which **collaborative work management and/or code documentation tools** did you use regularly over the past year, and which do you want to work with over the next year? Select all that apply

	Worked with in past year	Want to work with next year
Airtable	<input type="checkbox"/>	<input type="checkbox"/>
Asana	<input type="checkbox"/>	<input type="checkbox"/>
Azure Devops	<input type="checkbox"/>	<input type="checkbox"/>
Clickup	<input type="checkbox"/>	<input type="checkbox"/>
Coda	<input type="checkbox"/>	<input type="checkbox"/>

Worked with in past year**Want** to work with next year

Confluence	<input type="checkbox"/>	<input type="checkbox"/>
Doxygen	<input type="checkbox"/>	<input type="checkbox"/>
GitHub	<input type="checkbox"/>	<input type="checkbox"/>
GitLab	<input type="checkbox"/>	<input type="checkbox"/>
Google Colab	<input type="checkbox"/>	<input type="checkbox"/>
Google Workspace	<input type="checkbox"/>	<input type="checkbox"/>
Jira	<input type="checkbox"/>	<input type="checkbox"/>
Linear	<input type="checkbox"/>	<input type="checkbox"/>
Lucid (includes Lucidchart)	<input type="checkbox"/>	<input type="checkbox"/>
Markdown File	<input type="checkbox"/>	<input type="checkbox"/>
Microsoft Planner	<input type="checkbox"/>	<input type="checkbox"/>
Miro	<input type="checkbox"/>	<input type="checkbox"/>
Monday.com	<input type="checkbox"/>	<input type="checkbox"/>
Notion	<input type="checkbox"/>	<input type="checkbox"/>
Obsidian	<input type="checkbox"/>	<input type="checkbox"/>
Redmine	<input type="checkbox"/>	<input type="checkbox"/>
Stack Overflow for Teams	<input type="checkbox"/>	<input type="checkbox"/>
Trello	<input type="checkbox"/>	<input type="checkbox"/>
Wikis	<input type="checkbox"/>	<input type="checkbox"/>
YouTrack	<input type="checkbox"/>	<input type="checkbox"/>

Was the collaborative work management and/or code documentation tools you use not listed above? List below, separated by a comma and a space for each, what you used in the past year.

Was the collaborative work management and/or code documentation tools you want to use not listed above? List below, separated by a comma and a space for each, what you used in the past year.

Which **community platforms** have you utilized considerably or consistently in the past year, and which would you like to use next year? Select all that apply.

Worked with in past year

Want to work with next year

Stack Overflow

☐☐

Stack Exchange

☐☐

Discord

☐☐

Reddit

☐☐

Worked with in past year**Want** to work with next year

Dev.to	<input type="checkbox"/>	<input type="checkbox"/>
Hacker News	<input type="checkbox"/>	<input type="checkbox"/>
Hashnode	<input type="checkbox"/>	<input type="checkbox"/>
GitHub (public projects, not private repos)	<input type="checkbox"/>	<input type="checkbox"/>
Slack (public channels, not work)	<input type="checkbox"/>	<input type="checkbox"/>
Bluesky	<input type="checkbox"/>	<input type="checkbox"/>
X	<input type="checkbox"/>	<input type="checkbox"/>
Kaggle	<input type="checkbox"/>	<input type="checkbox"/>
YouTube	<input type="checkbox"/>	<input type="checkbox"/>
Twitch	<input type="checkbox"/>	<input type="checkbox"/>
LinkedIn	<input type="checkbox"/>	<input type="checkbox"/>
Substack	<input type="checkbox"/>	<input type="checkbox"/>
Medium	<input type="checkbox"/>	<input type="checkbox"/>
Company-sponsored forums	<input type="checkbox"/>	<input type="checkbox"/>

Was the community platform you use not listed above?
List below, separated by a comma and a space for each,
what you used in the past year.

Was the community platform you want to use not listed above? List below, separated by a comma and a space for each, what you used in the past year.

Did you utilize or integrate specific Large Language Models (LLMs) to power your development tools or applications in the last year? Here, we are referring to models like GPT-4, Llama, Claude, etc., within your development environments or solutions.

- ☐ Yes
- ☐ No
- ☐ I don't know

Which **LLM models for AI tools** have you used for development work in the past year, and which would you like to use next year? Select all that apply.

Worked with in past year

Want to work with next year

Alibaba Cloud Qwen models	<input type="checkbox"/>	<input type="checkbox"/>
Amazon Titan models	<input type="checkbox"/>	<input type="checkbox"/>
Anthropic: Claude Sonnet	<input type="checkbox"/>	<input type="checkbox"/>
Cohere: Command A	<input type="checkbox"/>	<input type="checkbox"/>
DeepSeek (R-Reasoning models)	<input type="checkbox"/>	<input type="checkbox"/>
DeepSeek (V-General purpose models)	<input type="checkbox"/>	<input type="checkbox"/>
Gemini (Flash general purpose models)	<input type="checkbox"/>	<input type="checkbox"/>
Gemini (Pro Reasoning models)	<input type="checkbox"/>	<input type="checkbox"/>
Meta Llama (all models)	<input type="checkbox"/>	<input type="checkbox"/>
Microsoft Phi-4 models	<input type="checkbox"/>	<input type="checkbox"/>
Mistral AI models	<input type="checkbox"/>	<input type="checkbox"/>
openAI GPT (chatbot models)	<input type="checkbox"/>	<input type="checkbox"/>
openAI Image generating models	<input type="checkbox"/>	<input type="checkbox"/>
openAI Reasoning models	<input type="checkbox"/>	<input type="checkbox"/>
Perplexity Sonar models	<input type="checkbox"/>	<input type="checkbox"/>

Worked with in past year**Want** to work with next yearReka (Flash 3 or
other Reka models)☐☐

X Grok models

☐☐

Was the LLM model for AI tools you use not listed above?
List below, separated by a comma and a space for each,
what **you used in the past year**.

Was the LLM model for AI tools you want to use not listed
above? List below, separated by a comma and a space
for each, what **you want to use next year**.

Community

Do you have a Stack Overflow account?

☐ Yes

- ☐ No
- ☐ Not sure/can't remember

How frequently would you say you visit Stack Overflow?

- ☐ Less than once per month or monthly
- ☐ A few times per month or weekly
- ☐ A few times per week
- ☐ Daily or almost daily
- ☐ Multiple times per day
- ☐ Less than once every 2 - 3 months
- ☐ Infrequently, less than once per year

How long have you used Stack Overflow?

- ☐ I don't use Stack Overflow
- ☐ Less than one year
- ☐ Between 1 and 3 years
- ☐ Between 3 and 5 years
- ☐ Between 5 and 10 years
- ☐ Between 10 and 15 years
- ☐ More than 15 years, or since Stack Overflow started in 2008

How frequently would you say you participate in Q&A on Stack Overflow? By participate we mean ask, answer, and vote or comment on questions.

- ☐ I have never participated in Q&A on Stack Overflow
- ☐ Infrequently, less than once per year
- ☐ Less than once every 2 - 3 months
- ☐ Less than once per month or monthly
- ☐ A few times per month or weekly
- ☐ A few times per week
- ☐ Daily or almost daily
- ☐ Multiple times per day

Whether it be to solve a problem, for career growth or connecting with a community of developers, is there an alternative to the Q&A format you prefer using today or would like to see on Stack Overflow to get what you need? Select all that apply.

- ☐ Chat (bot/AI)
- ☐ Job board
- ☐ Long-form articles
- ☐ Logic games/puzzles
- ☐ Coding challenges
- ☐ Direct messaging of users
- ☐ Chat (people)

- ☐ Videos
- ☐ Lists of recommendations (tools, frameworks, technologies, etc.)
- ☐ Day-in-the-life profiles/interviews with experts
- ☐ Message Boards
- ☐ Other (write in):

When visiting Stack Overflow, which following activities are you most interested in? Please rank the following so the first activity is what most interests you and last is your least interested activity.

Bookmark posts to look at later

Answer a question

Directly open a Q&A post via search, documentation or a peer

Read and/or vote on comments for a Question or Answer I am interested in

Upvote/Downvote Q&A posts

Browse content related to Q&A posts I recently viewed

Use discussion or chat feature

Ask a question

Comment on Q&A posts

Other (write in):

Do you consider yourself a member of the Stack Overflow community?

- ☐ No, not at all
- ☐ No, not really
- ☐ Neutral
- ☐ Yes, somewhat
- ☐ Yes, definitely
- ☐ Not sure

When you visit Stack Overflow, how often is it a result of encountering issues from AI or AI-enabled tools that require extra time or effort to fix, understand, or debug?

- ☐ More than half the time
- ☐ About half of the time
- ☐ Less than half of the time
- ☐ Rarely, almost never
- ☐ I don't use AI or AI-enabled tools

AI + AI Agents

Do you currently use AI tools in your development process?

- ☐ Yes, I use AI tools daily
- ☐ Yes, I use AI tools weekly
- ☐ Yes, I use AI tools monthly or infrequently
- ☐ No, but I plan to soon
- ☐ No, and I don't plan to

How favorable is your stance on using AI tools as part of your development workflow?

- ☐ Very favorable
- ☐ Favorable
- ☐ Indifferent
- ☐ Unfavorable
- ☐ Very unfavorable
- ☐ Unsure

How much do you trust the accuracy of the output from AI

tools as part of your development workflow?

- ☐ Highly trust
- ☐ Somewhat trust
- ☐ Neither trust nor distrust
- ☐ Somewhat distrust
- ☐ Highly distrust

How well do the AI tools you use in your development workflow handle complex tasks?

- ☐ Very well at handling complex tasks
- ☐ Good, but not great at handling complex tasks
- ☐ Neither good or bad at handling complex tasks
- ☐ Bad at handling complex tasks
- ☐ Very poor at handling complex tasks
- ☐ I don't use AI tools for complex tasks / I don't know

Which parts of your development workflow are you currently integrating into AI or using AI tools to accomplish or plan to use AI to accomplish over the next 3 - 5 years? Please select one for each scenario.

	Currently mostly AI	Currently partially AI	Plan to mostly use AI	Plan to partially use AI	Don't plan to use AI for this task
Documenting code	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Deployment and monitoring	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Creating or maintaining documentation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Testing code	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Learning about a codebase	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Generating content or synthetic data	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Search for answers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Writing code	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Predictive analytics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Debugging or fixing code	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Committing and reviewing code	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Project planning	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Learning new concepts or technologies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other (write in): <div></div>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

When using AI tools, which of the following problems or

frustrations have you encountered? Select all that apply.

- ☐ AI solutions that are almost right, but not quite
- ☐ I don't use AI tools regularly
- ☐ Debugging AI-generated code is more time-consuming
- ☐ I've become less confident in my own problem-solving
- ☐ I haven't encountered any problems
- ☐ It's hard to understand how or why the code works
- ☐ Other (write in):

In your own words, is "vibe coding" part of your professional development work? For this question, we define vibe coding according to the [Wikipedia definition](#), the process of generating software from LLM prompts.

Are you using AI agents in your work (development or otherwise)? AI agents refer to autonomous software entities that can operate with minimal to no direct human intervention using artificial intelligence techniques.

- ☐ Yes, I use AI agents at work daily

- ☐ Yes, I use AI agents at work weekly
- ☐ Yes, I use AI agents at work monthly or infrequently
- ☐ No, I use AI exclusively in copilot/autocomplete mode
- ☐ No, but I plan to
- ☐ No, and I don't plan to

Have AI tools or AI agents changed how you complete development work in the past year?

- ☐ Yes, to a great extent
- ☐ Yes, somewhat
- ☐ Not at all or minimally
- ☐ No, but my development work has changed somewhat due to non-AI factors
- ☐ No, but my development work has **significantly** changed due to non-AI factors

What industry purposes or specific tasks are you using AI agents in your development work? Select all that apply from both lists.

- ☐ Business process automation
- ☐ Customer service support
- ☐ Cybersecurity
- ☐ Data and analytics

- ☐ Decision intelligence
- ☐ IT operations
- ☐ Marketing
- ☐ Software engineering
- ☐ Robotics
- ☐ Other Industry purpose (write in):

- ☐ Agent/multi-agent orchestration
- ☐ Integration with external agents and APIs
- ☐ Vector databases for AI applications
- ☐ Personalized agent creation
- ☐ MCP servers
- ☐ Language processing
- ☐ Multi-platform search enablement
- ☐ Other specific task (write in):

To what extent do you agree with the following statements regarding the impact of AI agents on your work as a developer?

	Strongly agree	Somewhat agree	Neutral	Somewhat disagree	Strongly disagree
AI agents have increased my productivity.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
AI agents have helped me automate repetitive tasks.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
AI agents have improved the quality of my code.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
AI agents have accelerated my learning about new technologies or codebases.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
AI agents have helped me solve complex problems more effectively.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
AI agents have reduced the time spent on specific development tasks.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
AI agents have improved collaboration within my team.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Write in the most significant benefit if not listed above.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<div></div>					

To what extent do you agree with the following statements regarding AI agents?

Strongly agree

Somewhat agree

Neutral

Somewhat disagree

Strongly disagree

I am concerned about the accuracy of the information provided by AI agents.

☐

☐

☐

☐

☐

Integrating AI agents with my existing tools and workflows can be difficult.

☐

☐

☐

☐

☐

It takes significant time and effort to learn how to use AI agents effectively.

☐

☐

☐

☐

☐

The cost of using certain AI agent platforms is a barrier.

☐

☐

☐

☐

☐

I have concerns about the security and privacy of data when using AI agents.

☐

☐

☐

☐

☐

My company's IT and/or InfoSec teams have strict rules that do not allow me to use AI agent tools or platforms

☐

☐

☐

☐

☐

Write in the most significant challenge if not listed above:

☐

☐

☐

☐

☐

You indicated you use or develop AI agents as part of your development work. Have you used any of the following tools for AI agent memory or data management in the past year?

- ☐ ChromaDB
- ☐ Fireproof
- ☐ GitHub MCP Server
- ☐ LanceDB
- ☐ LangMem
- ☐ Letta
- ☐ mem0
- ☐ Milvus
- ☐ Neo4j
- ☐ pgvector
- ☐ Pinecone
- ☐ Qdrant
- ☐ Redis
- ☐ supabase
- ☐ Weaviate
- ☐ Zep

Was the tool or tools for AI agent orchestration or agent frameworks you used in the past year not listed above? Please write them below separated by a comma and space if there are more than one.

You indicated you use or develop AI agents as part of your development work. Have you used any of the following tools for AI agent orchestration or agent frameworks in the past year?

- ☐ Agno
- ☐ Amazon Bedrock Agents
- ☐ AutoGen (Microsoft)
- ☐ CrewAI
- ☐ Haystack
- ☐ IBM watsonx.ai
- ☐ LangChain
- ☐ LangGraph
- ☐ Llama Index
- ☐ lyzr
- ☐ Martian
- ☐ Ollama
- ☐ OpenRouter
- ☐ phidata
- ☐ Semantic Kernel
- ☐ Smol-AGI
- ☐ Smolagents
- ☐ Vertex AI
- ☐ Zapier

Was the tool or tools for AI agent orchestration or agent frameworks you used in the past year not listed above? Please write them below separated by a comma and space if there are more than one.

You indicated you use or develop AI agents as part of your development work. Have you used any of the following tools for AI agent observability, monitoring or security in the past year?

- ☐ Adversarial Robustness Toolbox (ART)
- ☐ arize
- ☐ Galileo
- ☐ Grafana + Prometheus
- ☐ helicone
- ☐ Honeycomb
- ☐ Langfuse
- ☐ LangSmith
- ☐ Metero
- ☐ New Relic
- ☐ opik
- ☐ Protect AI
- ☐ Sentry

- ☐ Snyk
- ☐ Vectra AI
- ☐ Wiz

Was the tool or tools for AI agent observability, monitoring or security you used in the past year not listed above? Please write them below separated by a comma and space if there are more than one.

You indicated you use or develop AI agents as part of your development work. Have you used any of the following out-of-the-box agents, copilots or assistants?

- ☐ AgentGPT
- ☐ Amazon Codewhisperer
- ☐ Auto-GPT
- ☐ Blackbox AI
- ☐ Bolt.new
- ☐ ChatGPT
- ☐ Claude Code
- ☐ Cody
- ☐ Devin AI

- ☐ GitHub Copilot
- ☐ Glean (Enterprise Agents)
- ☐ Google Gemini
- ☐ Lovable.dev
- ☐ Microsoft Copilot
- ☐ OpenHands (formerly OpenDevin)
- ☐ Perplexity
- ☐ Replit
- ☐ Roo code (Roo-Cline)
- ☐ Tabnine
- ☐ v0.dev

Was the out-of-the-box agents, copilots or assistants you used in the past year not listed above? Please write them below separated by a comma and space if there are more than one.

In the future, if AI can do most coding tasks, in which situations would you still want to ask another person for help? Select all that apply.

- ☐ When I'm stuck and can't explain the problem

- ☐ When I want to fully understand something
- ☐ When I want to learn best practices
- ☐ When I don't trust AI's answers
- ☐ When I need help fixing complex or unfamiliar code
- ☐ When I need quick help troubleshooting
- ☐ When I want to compare different solutions
- ☐ When I have ethical or security concerns about code
- ☐ I don't think I'll need help from people anymore
- ☐ Other (please specify):

Looking ahead 3–5 years, what skills do you believe will remain valuable for developers even as AI tools become more capable? Please describe.

Final Thoughts

How do you feel about the length of the survey this year?

- ☐ Too short
- ☐ Appropriate in length
- ☐ Too long

How easy or difficult was this survey to complete?

- ☐ Easy
- ☐ Neither easy nor difficult
- ☐ Difficult

Did you have any issues (technical or otherwise) while taking this survey? Please describe.

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